

Customer No. 24498
Attorney Docket No. PU030240
Office Action Date: December 4, 2009

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended). A receiver comprising:

~~two or more tuned channels, utilizing a controller programmed means to respond~~
responsive to a user's request for a user-selected one of the two or more tuned a plurality of
channels by to determine causing one of a set of descrambling keys for the user-selected
channel to be outputted to a descrambler to thereby enable the descrambler to, in
accordance with the associated descrambled digital transport streams associated with the
user-selected channel, required to format information into a selected video display, wherein
the set of descrambling keys includes at least one descrambling key for an unselected
channel, the at least one descrambling key being submitted with program data on the
unselected channel that differs from the user-selected channel, and which is derived from
monitoring the unselected channel and used when the unselected channel is subsequently
selected by a user.

2. (Previously presented). The receiver in claim 1, wherein the set of descrambling keys are stored in a memory.

3. (Previously presented) The receiver in claim 1, wherein the set of descrambling keys are compared, in a program selection mode of operation, to identify a desired digital transport stream.

4. (Currently amended) The receiver in claim 2, wherein the set of descrambling keys are retrieved from the memory, responsive to the user-selected one of the two or more tuned channels.

5. (Currently amended) A receiver comprising:

a tuning and a decoding unit for tuning and decoding a digital transmission to
produce ~~a set of control words related to two or more tuned channels each associated with~~
a descrambling key associated with respective channels included in the digital

Customer No. 24498
Attorney Docket No. PU030240
Office Action Date: December 4, 2009

transmission; and

~~a programmed means controller, to respond~~responsive to a user's request to tune and decode for a user-selected channel, for using first control words one of the two or more tuned channels by causing one of the control words within the set of control words to generate a descrambling key for the user-selected channel to be outputted; to a descrambler to thereby enable the descrambler to descramble digital transport streams required to format digital information into a video display associated with the user-selected channel,

the tuning and decoding unit also monitoring a non-selected channel, which differs from the user-selected channel, to derive control words associated with the non-selected channel and storing the control words in a memory, the control words being transmitted with program data on the non-selected channel whereby the stored control words are used to decode digital transport streams when the non-selected channel is subsequently selected by the user.

6. (Currently amended) The receiver in claim 5, wherein the controller periodically monitors the non-selected channel for updated control words and the updated set of control words are stored in a memory.

7. Cancel.

8. Cancel.

9 - 16. Canceled.

17. (Currently amended) A method of reception comprising the steps of:
determining a potential viewing channel in a digital transmission;
determining, from the digital transmission, a decoding key for descrambling transport packets included within the potential viewing channel while tuning and decoding a user-selected channel;
decoding a decoding key associated with the potential viewing channel;

Customer No. 24498
Attorney Docket No. PU030240
Office Action Date: December 4, 2009

storing the decoding key in a memory ~~retrievable in the event the potential viewing channel is selected by a user;~~

determining if all channels having the potential for viewing have had the respective ~~decoding~~ ~~deserambing~~ keys ~~determined~~ ~~deecoded~~ and if all channels having the potential for viewing have not had the respective ~~decoding~~ ~~deserambing~~ keys ~~determined~~ ~~deecoded~~; and then

continuing to monitor a digital transmission for decoding keys for those channels which have not had their decoding keys determined ~~a new control word, as required in time-varying broadcast.~~

18 – 19. Canceled.

20. (Currently amended) A method of reception comprising the steps of:

determining a potential viewing channel in a digital transmission;

decoding a control word associated and transmitted with the potential viewing channel while tuning and decoding a user-selected channel;

storing the control word in a memory ~~retrievable in the event the potential viewing channel is selected by a user;~~

determining if all channels having the potential for viewing have had the respective control word decoded and if all channels having the potential for viewing have not had the respective control word decoded; and then

continuing to monitor a digital transmission for a new control word for those channels which have not had their control word determined. ~~as required in time-varying broadcast.~~

21. (Currently amended). The method of reception in claim 20, further comprising the step of retrieving the control word to descramble a key associated with a user-selected viewing channel.

22. (Currently amended) The method of reception in claim 21, further comprising the step of utilizing the control word to descramble a key associated with a user-selected viewing channel to assemble digital data.

Customer No. 24498
Attorney Docket No. PU030240
Office Action Date: December 4, 2009

23. (New). The receiver in claim 1, wherein the unselected channel is periodically monitored for updated descrambling keys.
24. (New). The receiver in claim 1, wherein the unselected channel is selected from a predetermined set of potential viewing channels.
25. (New). The receiver in claim 5, wherein the controller selects the non-selected channel from a predetermined set of potential viewing channels.
26. (New). A method of video transmission reception comprising:
tuning to a user-selected channel and acquiring transport packets carried within the user-selected channel;
determining a descrambling key included in the transport packets carried within the user-selected channel for the user-selected channel and descrambling digital program transport streams carried within the selected channel in response to a user request to tune and decode the user-selected channel; and
monitoring a non-selected channel that is different from the user-selected channel, to derive descrambling keys associated with the non-selected channel and storing the descrambling keys in a memory, whereby the stored descrambling keys are used to decode digital transport streams when the non-selected channel is subsequently selected by the user.
27. (New). The method of reception in claim 26, wherein the monitoring step is performed periodically to determine updated descrambling keys; and further comprising storing updated descrambling keys in memory.
28. (New). The method of reception in claim 26, wherein the non-selected channel comprises a set of potential viewing channels.
29. (New). The method of reception in claim 26, further comprising comparing the descrambling keys in a program selection mode of operation, to identify a desired digital transport stream.

Customer No. 24498
Attorney Docket No. PU030240
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30. (New). The method of reception in claim 17, wherein the step of determining a decoding key comprises periodically determining an updated decoding key as required for a channel in which the decoding key is changed on a period basis.